

ARVO TV LARGE

Outdoor · Vertical Bending · Static White

Features

- Robust & uniform silicone body, with high lumen output up to 102 lm/W
- IP67 rated, ideal for outdoor uses
- 5 years warranty

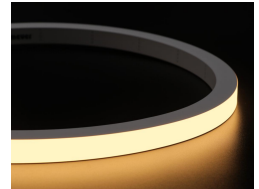
Applications

Hotels, apartment, lobby hall, shopping mall, facades, gardens, parks, balconies, roofs, soffits, etc.



Date _____ Fixture type _____

Project name _____ Project phase _____



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
ATVL	W7-Wet (IP67)	24-DC24V	22-2200K 27-2700K 32-3200K 35-3500K 40-4000K 57-5700K	096-9.6W/M 150-15W/M	IJ Injected (IP67) IJC Clear injected (IP67) SEC Silicone (IP67) MEC Mechanical with screws (IP67)	F Front OW Open wire 30cm B Bottom MC Male connector with 30cm cable S Side FC Female connector with 30cm cable C Closed NA Only for Closed Feed Entry J Jumper

*Injected and clear injected end cap are factory-made only. *Jumper feed entry must be used in conjunction for wire-in and wire-out directions.

Assembly Builder

Right Feed Entry	Length
F Front OW Open wire 30cm	Max. nominal 10m
B Bottom MC Male connector with 30cm cable	Increment 62.5mm
S Side FC Female connector with 30cm cable	
C Closed NA Only for Closed Feed Entry	
J Jumper	

*Jumper feed entry must be used in conjunction for wire-in and wire-out directions. *We will manufacture to the requested length considering the increment length.

Mounting Order Code

Product Code
Please select on the Mounting Options page.

Lumen Output (lm/m)

Temp./Color	9.6W/M	15W/M
2200K	775	1195
2700K	877	1350
3200K	963	1466
3500K	965	1481
4000K	980	1481
5700K	965	1450
Max. Run Length(M)	10	
Storage Temperature	-40°C- 60°C	
Operating Temperature	-40°C- 45°C	

Technical Details

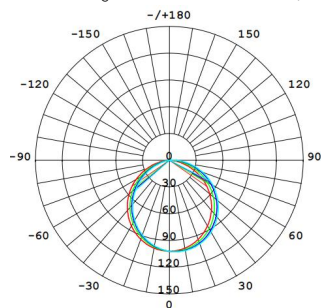
Efficacy	102lm/W @4000K 9.6W
CRI	Ra≥90
Beam Angle	110°
LED MacAdam	2 steps
Average Life (L70)	> 54,000 hours
Max. Length Per Reel	20M
Finish	Matte

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Photometry

ATVL-W7-24-35-096-IJ-F-OW-F-OW
ARVO TV Large, Vertical bend, 3500K, 9.6W/M



AVERAGE BEAM ANGLE(50%):110.8 DEG

Zonal Lumen Summary 3500K

Zone	Lumen	% Fixture
0-30	78.82	27%
0-40	128.7	44.1%
0-60	226.3	77.6%
0-90	287.7	98.7%
0-180	291.6	100%

UNIT: CD

— C0/180, 110.4

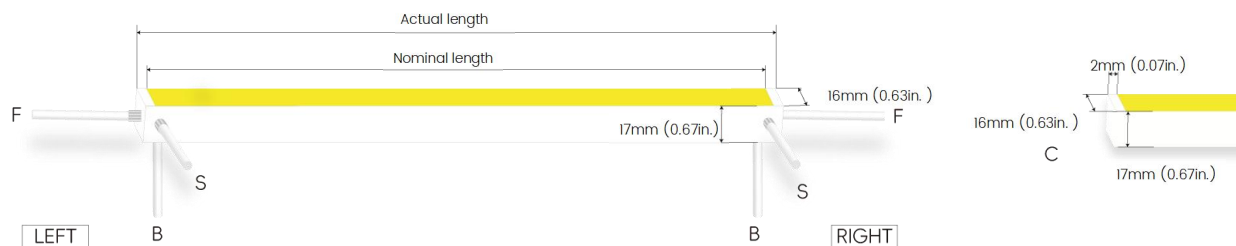
— C30/210, 110.6

— C60/240, 111.0

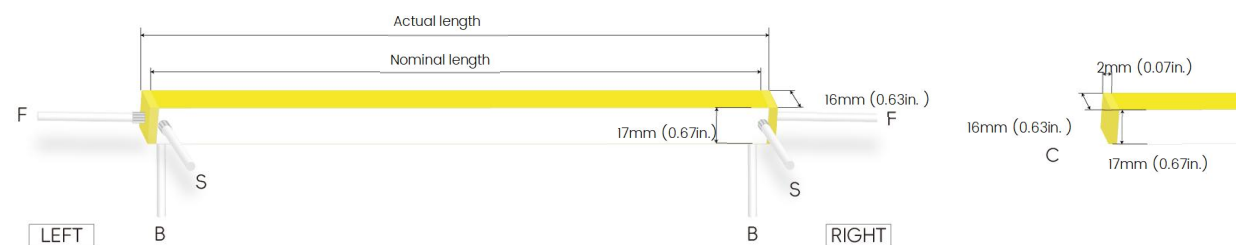
— C90/270, 111.1

Feed Entry / End Cap Options

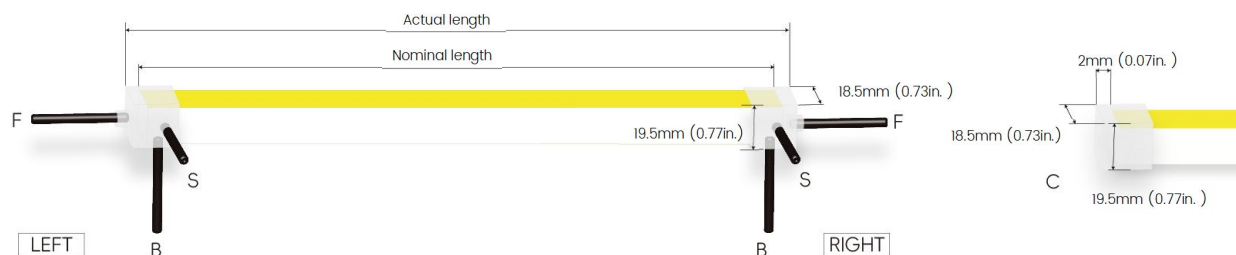
IJ: Injected end cap – IP67, factory-made only



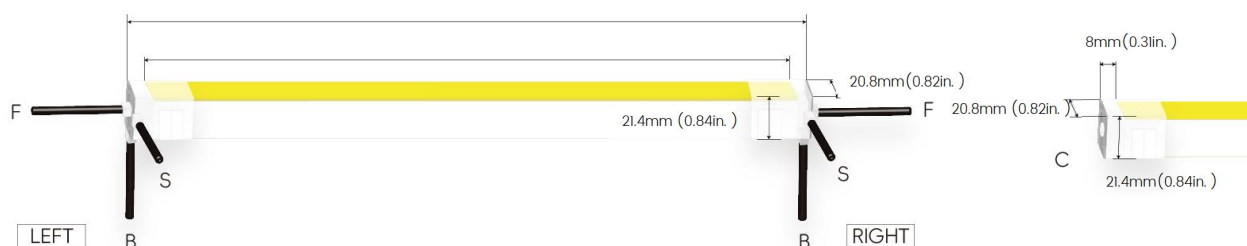
IJC: Clear injected end cap – IP67, factory-made only



SEC: Silicone end cap – IP67



MEC: Mechanical end cap with screws – IP67



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Connector Wire Options



OW: Open wire, **Dry only**
Standard 30cm (0.98ft), 18 AWG (wire length customizable)

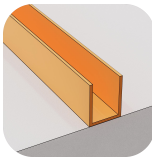
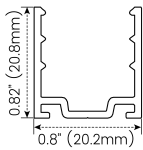
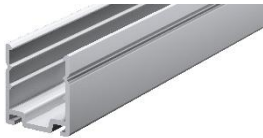


MC: Male connector, **Wet**
Standard 30cm (0.98ft), 18 AWG



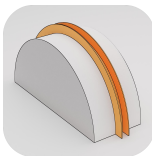
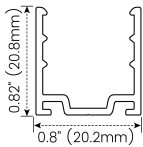
FC: Female connector, **Wet**
Standard 30cm (0.98ft), 18 AWG

Mounting Options



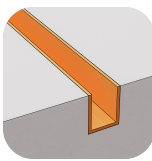
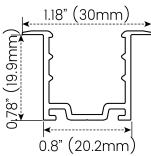
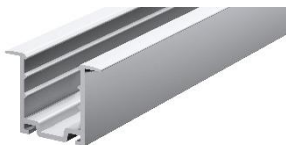
ARVO-L-SC

Name Straight surface channel
Material Aluminum
Standard Length 1M (3.28ft)



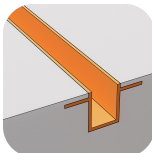
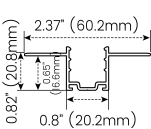
ARVO-L-BC

Name Bendable surface channel
Material Aluminum
Standard Length 1M (3.28ft)



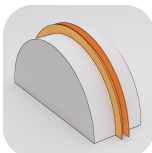
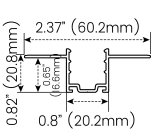
ARVO-L-RC

Name Straight recessed channel
Material Aluminum
Standard Length 1M (3.28ft)



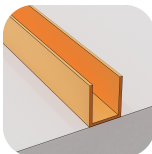
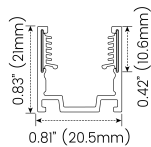
ARVO-L-MC

Name Mud-in channel
Material Aluminum
Standard Length 1M (3.28ft)



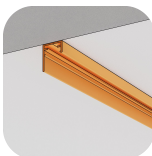
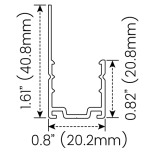
ARVO-L-BMC

Name Bendable mud-in channel
Material Aluminum
Standard Length 1M (3.28ft)



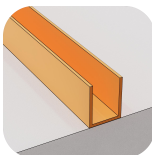
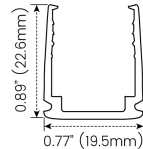
ARVO-L-SCS

Name Straight surface channel with silicone groove
Material Aluminum
Standard Length 1M (3.28ft)



ARVO-L-LBC

Name Light-block channel
Material Aluminum
Standard Length 1M (3.28ft)

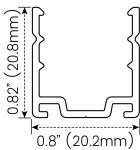


ARVO-L-PC

Name PC channel
Material Polycarbonate
Standard Length 1M (3.28ft)

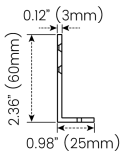
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ARVO-L-CL

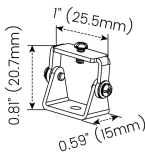
Name	Mounting clip
Material	Aluminum
Standard Length	25mm (0.98in.)



ARVO-L-LS

Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	20mm (0.79in.)

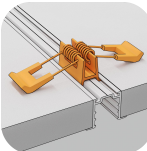
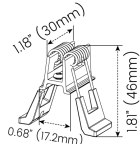
* ARVO-L-LS can be installed with aluminum channel ARVO-L-SC.



ARVO-L-AC

Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	25.5mm (1 in.)

* ARVO-L-LS can be installed with aluminum channel ARVO-L-SC.



ARVO-L-RC-SPC

Name	Spring clip
Standard Pkg	1pcs

* ARVO-L-RC-SPC must be installed with aluminum channel ARVO-L-RC.

End Caps (Optional, purchase for extra)



ARVO-L-SEC-C
Silicone closed end cap



ARVO-L-SEC-F-2P
Silicone end cap front entry with 30cm (0.98ft) cable, 2 pin



ARVO-L-SEC-S-2P
Silicone end cap side entry with 30cm (0.98ft) cable, 2 pin



ARVO-L-SEC-B-2P
Silicone end cap bottom entry with 30cm (0.98ft) cable, 2 pin



ARVO-L-MEC-C
Mechanical closed end cap with screws



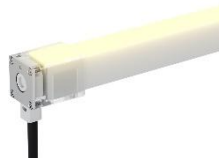
ARVO-L-MEC-F-2P
Mechanical end cap with screws, front entry with 30cm (0.98ft) cable, 2 pin



ARVO-L-MEC-LS-2P
Mechanical end cap with screws, left side entry with 30cm (0.98ft) cable, 2 pin



ARVO-L-MEC-RS-2P
Mechanical end cap with screws, right side entry with 30cm (0.98ft) cable, 2 pin



ARVO-L-MEC-B-2P
Mechanical end cap with screws, bottom entry with 30cm (0.98ft) cable, 2 pin



ARVO-L-JC-F-2P
Jumper connector front entry with 7cm (0.23ft) cable, 2 pin, IP67

Additional Accessories (Optional, purchase for extra)



MCW-2P-67
Male connector with 30cm (0.98ft) white cable, 2 pin, IP67, Wet, 20 AWG



FCW-2P-67
Female connector with 30cm (0.98ft) white cable, 2 pin, IP67, Wet, 20 AWG



MCB-2P-67
Male connector with 30cm (0.98ft) black cable, 2 pin, IP67, Wet, 20 AWG



FCB-2P-67
Female connector with 30cm (0.98ft) black cable, 2 pin, IP67, Wet, 20 AWG

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Drivers

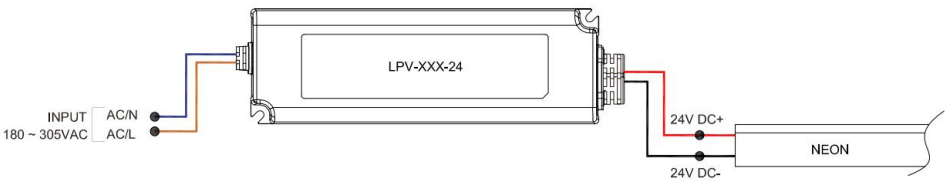
Non-dimmable					
Code	Max Load	Input	Output	Environment	Size (L x W x H)
XLG-150-24-A	150W	100-305VAC	24V	Dry/Damp/IP67	180 * 63 * 35.5 mm
LPV-150-24	150W	100-277VAC		Dry/Damp/IP67	148 * 40 * 30 mm
LRS-150-24	150W	85-132VAC / 170-264VAC		Dry	99 * 97 * 30 mm

3 in 1-dimmable					
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
PWM-120-24	120W	90-305VAC / 127-431VAC		Dry/Damp/IP67	191 * 63 * 37.5 mm

DALI control technology					
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24DA-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm

Wiring Diagram

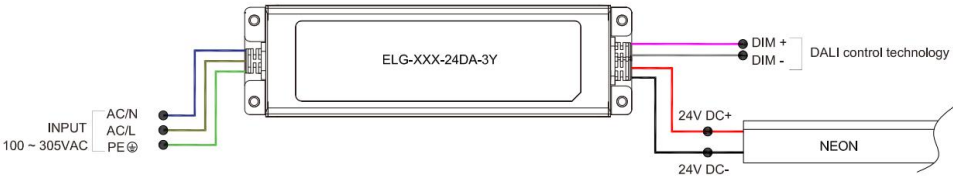
Non-dimmable



3 in 1-dimmable



DALI Control Technology



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24V Voltage Drop & Maximum Wire Length Chart

Based on 24V voltage with a 3% voltage drop allowance. Indicates the maximum wire length from the power supply to the start of the run.

Total load	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG
5W / 0.2A	527.3 m	238.9 m	121.0 m	80.2 m	53.3 m	39.9 m	32.6 m
10W / 0.4A	263.6 m	119.4 m	60.7 m	40.2 m	26.8 m	20.1 m	16.5 m
15W / 0.6A	175.9 m	79.6 m	40.2 m	26.8 m	17.7 m	13.4 m	11.0 m
20W / 0.8A	132.0 m	59.7 m	30.2 m	20.1 m	13.4 m	10.1 m	8.2 m
25W / 1.0A	105.5 m	47.9 m	24.1 m	16.2 m	10.7 m	7.9 m	6.7 m
30W / 1.3A	88.1 m	39.9 m	20.1 m	13.4 m	8.8 m	6.7 m	5.5 m
35W / 1.5A	75.6 m	34.1 m	17.4 m	11.6 m	7.6 m	5.8 m	4.6 m
40W / 1.7A	66.1 m	29.9 m	15.2 m	10.1 m	6.7 m	4.9 m	4.0 m
45W / 1.9A	58.5 m	26.5 m	13.4 m	8.8 m	5.8 m	4.3 m	3.7 m
50W / 2.1A	52.7 m	23.8 m	12.2 m	7.9 m	5.5 m	4.0 m	3.4 m
55W / 2.3A	47.9 m	21.6 m	11.0 m	7.3 m	4.9 m	3.7 m	3.0 m
60W / 2.5A	43.9 m	19.8 m	10.1 m	6.7 m	4.6 m	3.4 m	2.7 m
65W / 2.7A	40.5 m	18.3 m	9.1 m	6.1 m	4.3 m	3.0 m	2.4 m
70W / 2.9A	37.8 m	17.1 m	8.5 m	5.8 m	4.0 m	3.0 m	2.4 m
75W / 3.1A	35.4 m	15.9 m	7.9 m	5.2 m	3.7 m	2.7 m	2.1 m
80W / 3.3A	33.2 m	14.9 m	7.6 m	4.9 m	3.4 m	2.4 m	2.1 m
85W / 3.5A	31.4 m	14.0 m	7.0 m	4.6 m	3.0 m	2.4 m	1.8 m
90W / 3.8A	29.6 m	13.4 m	6.7 m	4.6 m	3.0 m	2.1 m	1.8 m
96W / 4.0A	27.7 m	12.5 m	6.4 m	4.3 m	2.7 m	2.1 m	1.8 m